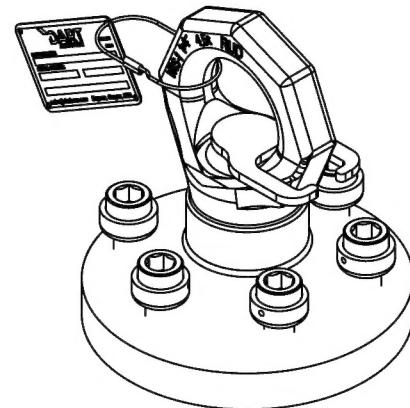
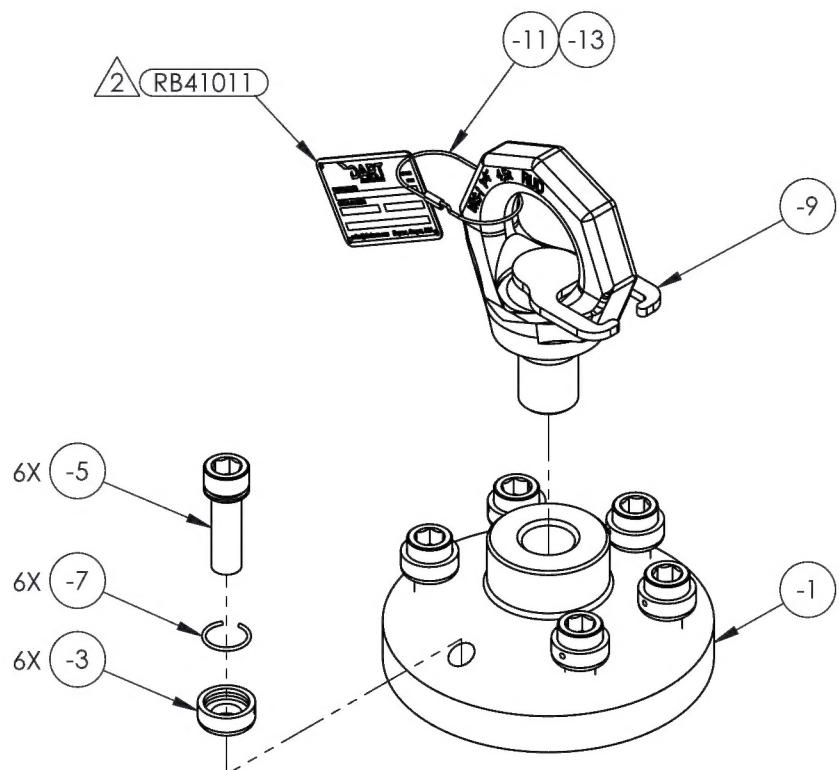


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REVISIONS						
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED	
1		RELEASED FOR PRODUCTION.	5/26/2017	DPD	JAG	



NOTES:

1. REF. AIRBUS T/N: 105W27.
- 2 ENGRAVE T/N, S/N, SWL 8091 LBS/3670 Kg.
3. USED ON MODEL:
BO 105, BK 117, EC145, EC645, H145, H145M.

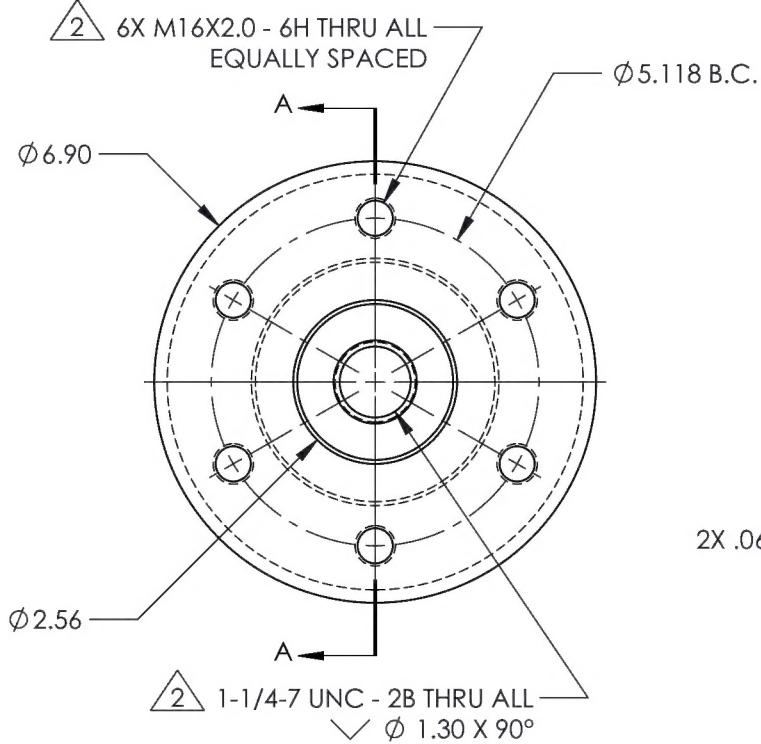


MAIN GEAR BOX HOISTING DEVICE

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.	DWG NO.	RBE105W27	REV 1	
			-1	1	ADAPTER	4140/4142		2	MAT'L	UNLESS OTHERWISE SPECIFIED		
			-3	6	SPECIAL WASHER	4140/4142		3	HEAT TREAT FINISH	DIMENSIONS ARE IN INCHES		
			-5	6	SOCKET HEAD CAP SCREW	STEEL	M16 X 2mm X 50mm, CLASS 12.9 (MCMASTER-CARR #91290A820) MODIFIED	4	SPEC	.XXX ± .005 FRACTIONS ± 1/8		
	B/O	-7	6	ROUND WIRE SNAP RING	STEEL	Ø2mm X Ø25mm	(FASTENAL #11509175)	1	DRAWN BY:	DD 05/01/2017	XX ± .01 ANGLES ± 5°	
	B/O	-9	1	LIFTING BOLT	STEEL	1-1/4-7 x 1-7/8, Ø2-3/8 I.D.,	WLL 9920 LBS (FASTENAL #0502648)	1	CHECKED:	SM 05/04/2017	X ± .1 SURFACES = 125	
	B/O	-11	1	LANYARD	COATED STEEL	Ø1/16 X 3	(CARR LANE #CL-2-C)	1	OPPS APPR:	AA 05/10/2017		
	B/O	-13	1	FERRULE	ALUMINUM	Ø1/16 X 3/8	(MCMASTER-CARR #3896T31)	1	QA APPR:	JL 05/24/2017		
	B/O	1	DART PLACARD	ALUMINUM	RB41011			1	APPROVED:	JAG 06/08/2017	USED ON MODEL	
										SEE NOTE 3		
									SCALE	1:4	DATE 5/1/2017	SHEET 1 OF 5

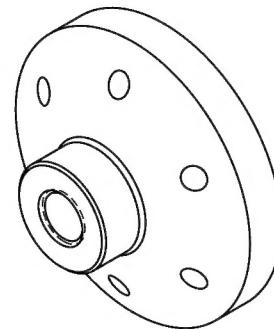
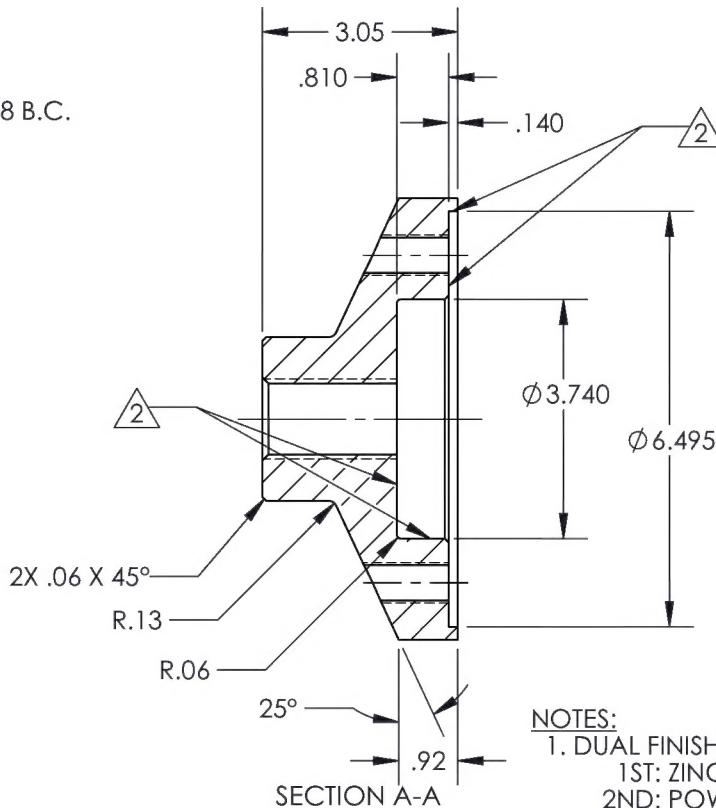
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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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(1)

ADAPTER



NOTES:
 $\triangle 2$ DUAL FINISH:
 1ST: ZINC PLATE, ASTM B633 TYPE I SC2.
 2ND: POWDER COAT YELLOW, FED #13538.

$\triangle 2$ NO POWDER COAT THIS SURFACE.

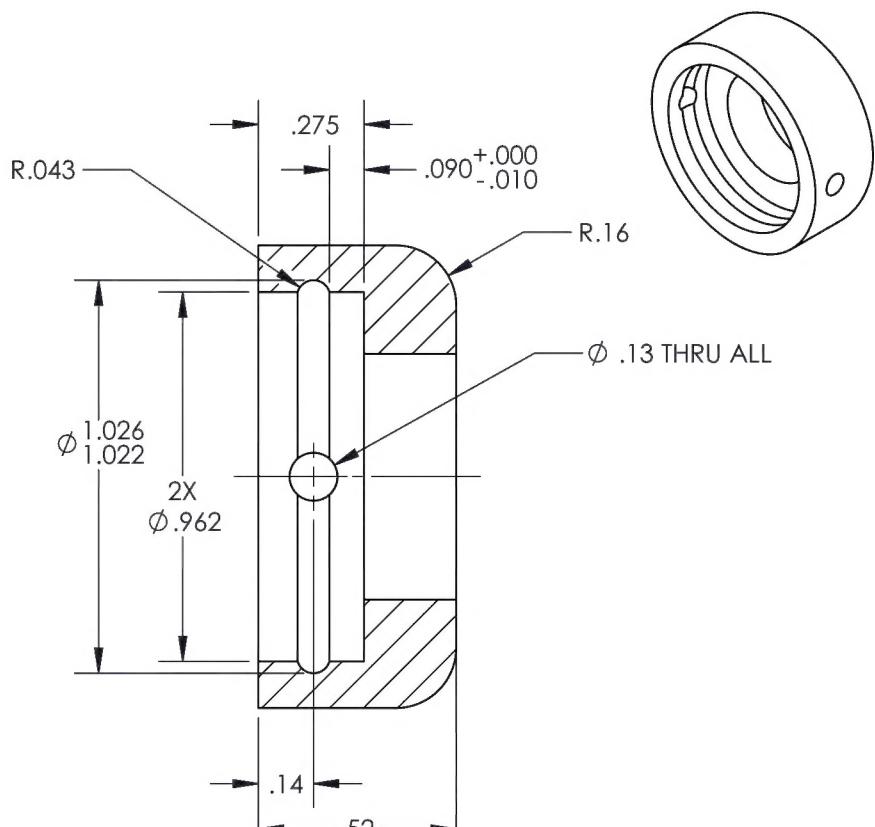
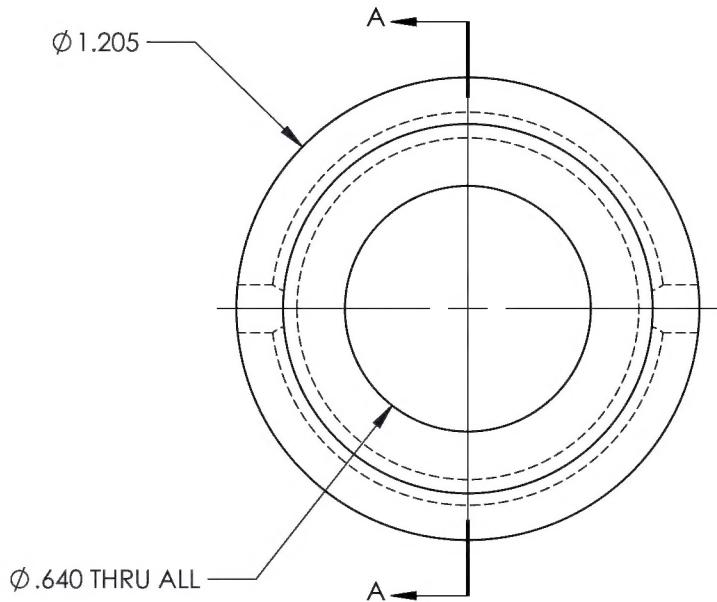


TITLE
MAIN GEAR BOX HOISTING DEVICE

DWG NO.	RBE105W27-1		REV 1
MAT'L	4140/4142	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	RC 37-43	.XXX ± .005 FRACTIONS ± 1/8	
TREAT		.XX ± .01 ANGLES ± 5°	
FINISH	SEE NOTE	X ± .1 SURFACES = 125	✓
SPEC			
DRAWN BY:	DD 05/01/2017	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
CHECKED:	SM 05/04/2017	2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
OPPS APPR:	AA 05/10/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
QA APPR:	JL 05/24/2017	USED ON MODEL	
APPROVED:	JAG 06/08/2017	SEE NOTE 3, SHEET 1	
SCALE	1:3	DATE	5/1/2017
			SHEET 2 OF 5

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REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
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SECTION A-A

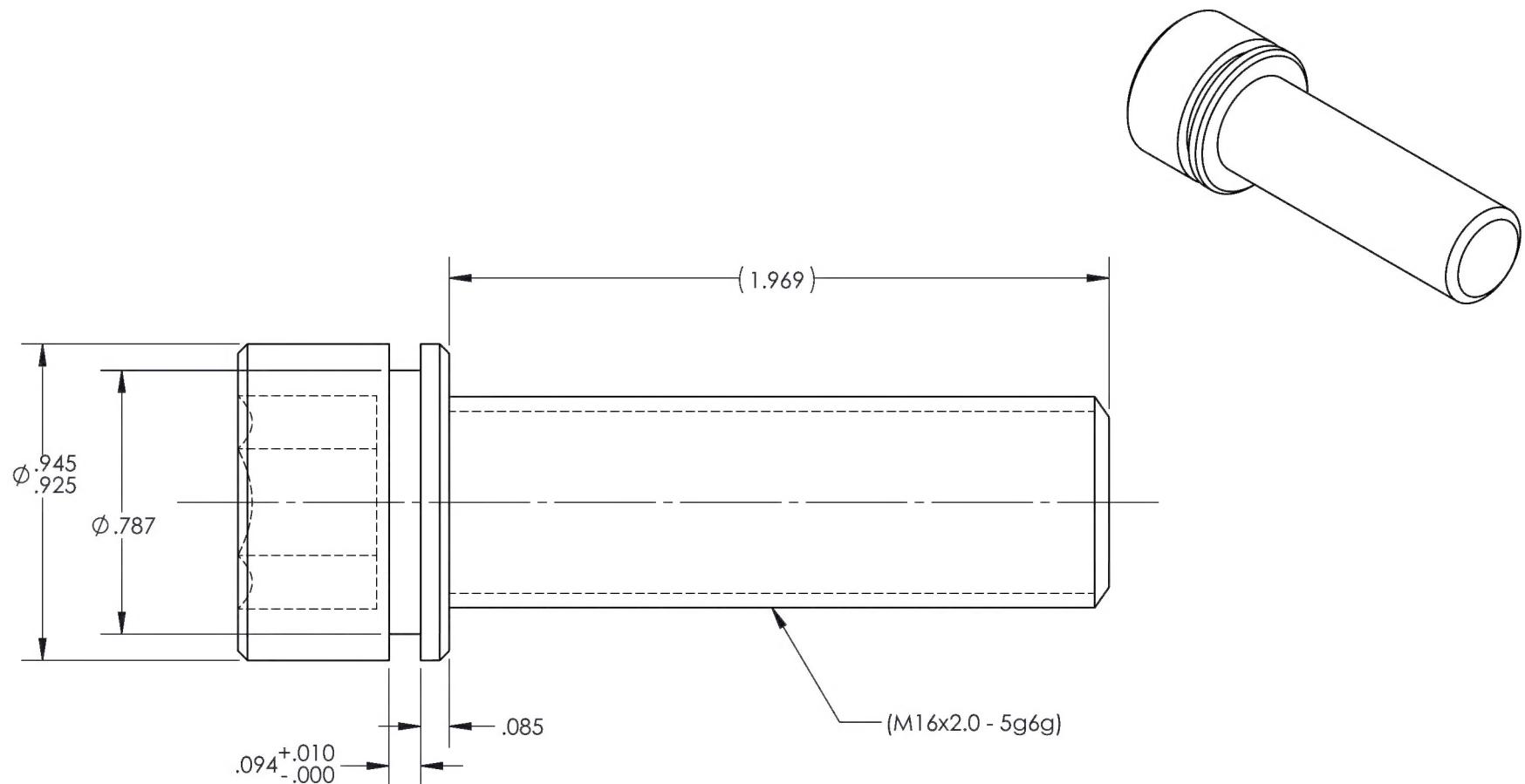
(-3)

SPECIAL WASHER

TITLE	MAIN GEAR BOX HOISTING DEVICE
DWG NO.	RBE105W27-3
MAT'L	4140/4142
HEAT	RC 37-43
TREAT	
FINISH	ZINC PLATE
SPEC	ASTM B633 TYPE I SC 2
DRAWN BY:	DD 05/01/2017
CHECKED:	SM 05/04/2017
OPPS APPR:	AA 05/10/2017
QA APPR:	JL 05/24/2017
APPROVED:	JAG 06/08/2017
SCALE	2:1
DATE	5/1/2017
SEE NOTE 3, SHEET 1	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
USED ON MODEL	
SHEET 3 OF 5	

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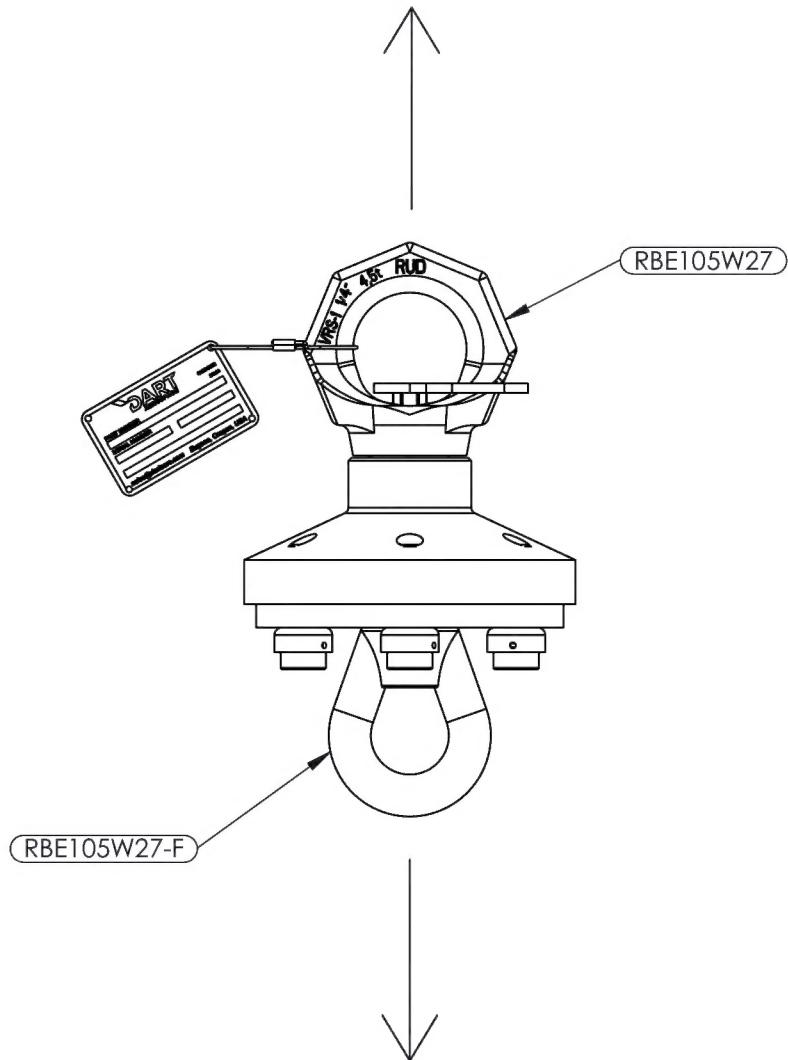
REVISIONS						
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED	



-5

SOCKET HEAD CAP SCREW





INSPECTION & TESTING PROCEDURES FOR THE
RBE105W27 MAIN GEAR BOX HOISTING DEVICE.
INSPECT THIS ASSEMBLY BEFORE EACH USE.
REPLACE ANY ITEMS THAT ARE DAMAGED OR SUSPECTED
OF DAMAGE BEFORE USING!

FIRST ARTICLE WEIGHT TEST

1. AFTER INSPECTION, ATTACH THE MAIN GEAR BOX HOISTING DEVICE TO TEST FIXTURE RBE105W27-F.
2. ATTACH WEIGHT OF 7,340kg. / 16,182 LBS.
3. LIFT WEIGHT FOR AT LEAST 5 MINUTES, CONTINUALLY CHECKING FOR CRACKS, DEFLECTION, OR DISTORTION.
4. REMOVE WEIGHT AND RE-INSPECT SLING, CHECKING FOR STRESS CRACKS, BENDING, OR DISTORTIONS.

INSPECTOR: _____

TESTER: _____

S/N: _____

DATE: _____